Azizullah Sheikh

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**Career Objective:** I intend to establish myself as a Telecommunications SME Engineer, contributing to the company’s growth and in turn ensuring personal growth within the organization. I believe that my technical, functional and communication skills will enable me in facing the challenging career.

**Summary of Qualifications:**

* Bachelor of Engineering, Electrical (Electronics Option) **May 2010**

Concordia University, Montreal – Quebec, Canada.

**Work Experience**:

1. **WiSpire Inc – South Riding – Virginia August 2016 – To Date**

**RAN Consultant, Remote Support**

* Perform sanity checks to verify integrity of eNodeB’s.
* Validate RF parameters for mismatch with RND, CIQ.
* Provide troubleshooting support and working with TAC and commissioning teams to correct any parameters/configurations for commercial/non-commercial sites to improve performance.
* Validate MOPs and scripts for mass parameter updates due to change in Gold Standards.
* Responsible for running nationwide configuration audits, identify severity and oversee resolution.

1. **Samsung Telecommunications America – Herndon – Virginia August 2013 – February 2016**

**Performance Assurance Engineer – RAN**

* Closely monitor and meet Sprint’s System Performance goals by monitoring and responding daily to network problems.
* Coordinate with Tier2, TAC & National/Local RF team to troubleshoot and implement corrective action in timely manner to improve network performance.
* Provide support for nationwide software upgrades.
* Provide support to dispatchers from HQ (Samsung Korea).
* Analyze KPI’s, OM stats and provide suggestions to improve/optimize network, cluster or node performance.
* Generate and perform analysis of KPI reports for FIT testing.
* Provide cluster level support for field-testing.
* Generate weekly and monthly performance reports for multiple teams within Samsung and Sprint.
* Participate into market wide severity calls and provide support obtaining and analyzing latest OM stats, KPI’s and suggest ways to resolve failures.
* Conduct Data Analysis & Root Cause Analysis.
* Participate and provide inputs into weekly and monthly performance meetings.
* Generate detailed plans for system improvements, optimization and capacity analysis.
* Provide feedback and participate into monthly meetings to develop and optimize Performance Monitoring tool.

1. **Ericsson Canada Inc. – Montreal – Quebec July 2010 – August 2013**

**Services Engineer – RAN**

* + ***ITAC Support Engineer (LTE / WCDMA)***
* Troubleshoot integration, expansion and network modernization related Customer Support Requests for North American Operators.
* Troubleshoot KPI related degradations on live networks.
* Provide support to Ericsson Engineers working on customer network.
  + ***LTE Experienced eNodeB Integrator & Tester***
  + In the lab and in the field integration and test object list (TOL) execution/verification of Multi Standard Digital Unit (DUS41), RBS 6000 (DUL) series, AIR Antenna, RU’s, RRU’s & RET for AT&T USA and Rogers Canada.
  + Perform regression tests, collect logs using QXDM and analyze logs using QCAT for Basic, Mobility, Performance, SON, ANR, Carrier Aggregation, IRAT, MIMO, CSFB and Negative test cases.
  + Hardware Swap (Migration): RBS 6000 (DUL) series to DUS41 migration testing in Ericsson and AT&T lab, MOP preparation and implementation in the field for AT&T.
  + LTE Network Rollout for MetroPCS, USA.
  + LTE Network Rollout for Rogers, Canada.
  + Remote eNodeb (RBS 6000 & DUS 41) integration and configuration by using BSIM, OSS & RBS Element Manager for AT&T, MetroPCS-USA & Rogers-Canada.
  + Remote Deployment Center support engineer to upgrade, configure and troubleshoot Distributed Antenna System (DAS).
  + Onsite eNodeB integrations for AT&T-USA & Eastlink-Canada.
  + Troubleshoot KPI related degradation on networks.
  + Generate & troubleshoot eNodeB integration scripts.
  + Generate BSIM integration scripts from OSS.
  + Perform onsite and remote software upgrades to eNB’s by using AMOS, RBS Element Manager or OSS.
  + Troubleshoot S1 (eNodeB to EPC) and X2 (eNodeB to eNodeB) interface.
  + Generate and Analyze call traces to troubleshoot call failures.
  + eNodeB IP Scheme changes for Rogers Wireless Network Canada.
  + Perform SW / HW features verification in Ericsson lab, in field and feature demonstration to customers.
  + Provide remote and onsite support for LTE eNodeB feature verification and activation.
  + Prepare test instructions (TI) and feature reports.
  + Perform Acceptance Test Procedure’s (ATP’s) on newly integrated nodes.
  + Perform Software Upgrade Path Verification in Ericsson Lab.
  + Alarms troubleshooting, eNodeB Health Check and fault management.
  + Loading and activation of license keys and features.
  + Audit and Troubleshoot Neighbour Relations for handover failures.
  + Methods Of Procedure (MOP) preparation and verification in Ericsson and customer lab.
  + Mentor/Train newly hired members of team for integration and troubleshooting activities.
  + ***WCDMA Experienced RNC / NodeB Integrator & Tester***
  + Onsite RNC (RNC 3810 / 3820) and NodeB (RBS 3000 / 6000) integrations for Rogers Wireless & Eastlink Canada.
  + Performed Dual DUW (RBS 6000) integration for Rogers Wireless - Canada. A very first integration of its kind in North America tested during Formula One Race in Montreal for future deployment in the Rogers Network.
  + Troubleshoot KPI related degradation on networks.
  + Generate and troubleshoot RNC & NodeB integration scripts.
  + Perform onsite and remote upgrades to RNC’s and NodeB’s.
  + Implement / Troubleshoot Iub, Iur, IuCS & IuPS interfaces.
  + Generate and Analyze call traces to troubleshoot call failures.
  + RBS re-home and IP Scheme changes for Rogers Wireless Network Canada.
  + Perform Acceptance Test Procedure’s (ATP’s) on newly integrated nodes.
  + Perform Software Upgrade Path Verification in Ericsson Lab.
  + Audit and Troubleshoot Neighbour Relations for handover failures.
  + Methods Of Procedure (MOP) preparation and verification in Ericsson lab.
  + Mentor/Train newly hired members of team for integration and troubleshooting activities.

1. **Ericsson Canada Inc. – Montreal - Quebec**, **Services Engineer (LAB) July 2009 – July 2010**

* Provide support for Research and Development (R&D) projects.
  + Establish T1 / E1 / ATM / IP / TDM connections between nodes (BSC/MSC/MGw/SGw).
  + Create and troubleshoot SS7 Signaling Links between RBS/BSC/MSC /STP/HLR.
  + Program SIM cards for ongoing research projects.
  + Troubleshoot and identify network problems.
  + Update or upgrade standalone nodes or nodes in the live network by using OSS server.

**Ericsson Trainings:**

* LTE L10A Air Interface, Protocols and Procedures.
* LTE L10A Radio Network Functionality.
* LTE Troubleshooting.
* Moshell Advanced for LTE (*Ericsson’s proprietary command line interface language to access and modify network elements.*)
* IP Networking.
* WCDMA air interface.
* IP Basic & Advance.

**Tools used:**

* Spotfire (Network Performance Monitoring Tool), Remedy, QXDM, QCAT, QPST, LLDM, TEMS, Call Flow traces using Moshell / AMOS & Decoder, RNC/RBS Element Manager, OSS, Wireshark, Spectrum Analyzer, Qualcomm LTE UE, Samsung LTE UE, Sierra Wireless LTE UE, LSMR & BSM.

**Academic Projects:**

**1) Design & Implementation of Wireless Home Alarm System *Duration: 8 Months***

Worked in a team to build a wireless home alarm system based on Microchip’s PIC microcontroller. Designed and built circuit diagrams, selection & soldering of electronic components, troubleshooting, testing and programmed the controller.

**2) Design & Implementation of a Wireless Remote Controlled Robot *Duration: 4 Months***

Worked in a team to build a Robot capable of collecting a ping-pong ball within a given field and displace it out of the field through 1 x 1 foot exit. The main components comprising the robot were an Atmel’s AVR Atmega8 microcontroller programmed in C, wireless transmitter & receiver and motor controller. **Won first prize among 8 teams** for minimum cost of the robot and for minimum time taken by the robot to achieve target.

**Computer Skills:**

* *Application Packages / Programming Languages:*

QXDM, QCAT, QPST, LLDM, TEMS, Visual Studio(C++), Matlab, PSpice, WinAVR (Atmel), MPLAB (Microchip).

C/C++, Assembly Language (Motorola 68k).

* *Operating Systems:*

Windows® operating system, MS Office Tools (Word, Excel, Power Point, Outlook), UNIX® & Linux® OS.

**Languages:**

English (Fluent Spoken & Written)

**References Available Upon Request**